

or less apply), the lowest readings from the two idle modes must be used to determine compliance. Short test emissions may not exceed the standards listed in paragraphs (b)(1) and (2) of this section.

(1) Hydrocarbons: 200 ppm as hexane.

(2) Carbon monoxide: 1.0%.

(c) For 1981 and later model year gasoline-fueled light-duty trucks for which any of the test procedures described in §85.2213, 85.2215, 85.2217, 85.2218, 85.2219, or 85.2220 are utilized to establish Emissions Performance Warranty eligibility (that is, 1981 and later model year light-duty trucks at low altitude and 1982 and later model year trucks at high altitude to which high altitude certification standards of 2.0 g/mile HC and 26 g/mile CO or less apply), short test emissions for all tests and test modes may not exceed the standards listed in paragraphs (c)(1) and (2) of this section.

(1) Hydrocarbons: 220 ppm as hexane.

(2) Carbon monoxide: 1.2%.

[58 FR 58401, Nov. 1, 1993]

§§ 85.2205–85.2206 [Reserved]

§ 85.2207 On-board diagnostics test standards.

(a) [Reserved]

(b) A vehicle shall fail the on-board diagnostics test if it is a 1996 or newer vehicle and the vehicle connector is missing, has been tampered with, or is otherwise inoperable.

(c) A vehicle shall fail the on-board diagnostics test if the malfunction indicator light is commanded to be illuminated and it is not visually illuminated according to visual inspection.

(d) A vehicle shall fail the on-board diagnostics test if the malfunction indicator light is commanded to be illuminated for one or more OBD diagnostic trouble codes (DTCs), as defined by SAE J2012. The procedure shall be done in accordance with SAE J2012 Diagnostic Trouble Code Definitions, (MAR92). This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of SAE J2012 may be obtained from the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096–0001. Copies may

be inspected at the EPA Docket No. A–94–21 at EPA’s Air Docket, (LE–131) Room 1500 M, 1st Floor, Waterside Mall, 401 M Street SW, Washington, DC, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(e) [Reserved]

[61 FR 40946, Aug. 6, 1996, as amended at 63 FR 24433, May 4, 1998; 66 FR 18178, Apr. 5, 2001]

§ 85.2208 Alternative standards and procedures.

(a)(1) As a part of the certification process, as set forth in 40 CFR part 86, subparts A and S, a manufacturer may request an alternative short test standard or short test procedure for any vehicle or engine for which the standards or procedures specified in this subpart are not appropriate. The requestor shall supply relevant test data and technical support to substantiate the claim and shall also recommend alternative test procedures and/or standards for the Administrator’s consideration. Upon an acceptable showing that the general standards or procedures are not appropriate, the Administrator shall set alternative standards or procedures through rulemaking. The administrative provisions of the certification process (see 40 CFR part 86, subparts A and S), apply to such a request for alternative standards or procedures.

(2) Any such alternative standards or test procedures must be specified on the emission control information label to be effective for that particular vehicle or engine. The Administrator may waive this requirement if it is determined that a given model year of production for which an alternative test procedure is promulgated is too far advanced at the time of promulgation to make such a requirement practical.

(3) Alternative test procedures may be approved if the Administrator finds that:

(i) Such procedures are in accordance with good engineering practice, including errors of commission (at cutpoints corresponding to equivalent emission

reductions) no higher than the tests they would replace;

(ii) Such procedures show a correlation with the Federal Test Procedure (with respect to their ability to detect high emitting vehicles and ensure their effective repair) equal to or better than the tests they would replace; and

(iii) Such procedures would produce equivalent emission reductions in combination with other program elements.

(b) A State or other I/M authority conducting or supervising tests under this subpart may request to use quality control procedures which are different than those in § 85.2217. After an appropriate opportunity for public comment, the Administrator may approve the requested procedures provided the requested procedures are equivalent to those in § 85.2217. The requestor shall supply relevant test data and technical support to substantiate the claim that the procedures are equivalent to the specifications described in § 85.2217. Following a preliminary determination by the Administrator that an alternative procedure is equivalent, a FEDERAL REGISTER notice will be published announcing the request and explaining EPA's preliminary determination. All information relevant to the preliminary determination will be made available for comment in the public docket. Interested parties will be given 30 days to submit comments, and if EPA concludes that the preliminary determination was not in error, a final FEDERAL REGISTER notice will be published granting the State permission to use the alternative procedure.

(c)(1) A state or other I/M authority conducting or supervising tests under this subpart may request to use alternative short test standards or procedures. The requester must supply relevant test data and technical support to substantiate the claim and must also recommend alternative standards or test procedures for the Administrator's consideration. If the Administrator determines that the alternative standards or procedures satisfy the provisions of the Clean Air Act, 42 U.S.C. 7541 paragraphs (b)(i), (b)(ii), and (b)(iii) of this section, the Administrator will set alternative standards or procedures through rulemaking.

(2) Alternative test procedures may be approved if the Administrator finds that:

(i) Such procedures are in accordance with good engineering practice, including errors of commission (at outpoints corresponding to equivalent emission reductions) no higher than the tests they would replace;

(ii) Such procedures show a correlation with the Federal Test Procedure (with respect to their ability to detect high emitting vehicles and ensure their effective repair) equal to or better than the tests they would replace; and

(iii) Such procedures would produce equivalent emission reductions in combination with other program elements.

[49 FR 24323, June 12, 1984, as amended at 58 FR 58401, Nov. 1, 1993; 64 FR 23920, May 4, 1999]

§ 85.2209 2500 rpm/idle test—EPA 81.

(a)(1) *General calendar year applicability.* The test procedure described in this section may be used to establish Emissions Performance Warranty eligibility through December 31, 1993, except as allowed in paragraph (a)(2) of this section.

(2) *Special calendar and model year applicability.* (i) The extended applicability described in paragraphs (a)(2) (ii) through (iv) of this section is restricted to 1995 and earlier model year vehicles or engines.

(ii) In a state for which the Administrator has approved a State Implementation Plan revision providing for the implementation of a basic decentralized program meeting the requirements of part 51, subpart S of this chapter, according to the schedule specified in § 51.373 of this chapter, the test procedure described in this section may be used to establish Emissions Performance Warranty eligibility through December 31, 1993.

(iii) In a state for which the Administrator has approved a State Implementation Plan revision providing for the implementation of a basic centralized program meeting the requirements of part 51, subpart S of this chapter, according to the schedule specified in § 51.373 of this chapter, the test procedure described in this section may be